

WHAT IS CLAIMED IS:

- 1 1. A method for processing and delivering one or more messages for
2 distribution over wireless networks, the method comprising:
3 receiving a message from a data network by a policy manager coupled between
4 the data network and a wireless network;
5 parsing the message to identify selected information in the message for delivery
6 of that message to a selected user of a wireless client device;
7 determining a processing decision for the message based upon at least the selected
8 information and predetermined information of the policy manager while storing the message
9 during a portion of time as the processing decision is determined; and
10 performing the processing decision for delivery of the message through the
11 wireless network to the wireless client device.
- 12 2. The method of claim 1 wherein processing is selected from a sending,
13 waiting, killing, replacing, delaying, grouping, prioritizing, scheduling, or filtering.
- 14 3. The method of claim 1 wherein the message is defined as data provided
15 from the source to the destination.
- 16 4. The method of claim 1 wherein the message is selected from an e-mail
17 message, an SMS message, an instant message, a chat message, a voice message, an alert a
18 video message, a picture, a map, an MP3 file, or a drawing.
- 19 5. The method of claim 1 wherein the message is received by an input
20 handler in the policy manager.
- 21 6. The method of claim 1 wherein the processing decision is based upon
22 external information and internal information.
- 23 7. The method of claim 1 further comprising transferring the message to the
24 wireless client device based upon the processing decision.
- 25 8. The method of claim 1 wherein the receiving is provided by an input
26 handler that receives the message and is coupled to the data network.

1 9. The method of claim 1 wherein the storing is on a cache device for
2 temporary storage of the message.

1 10. The method of claim 1 wherein the performing is provided from an output
2 handler, the output handler being coupled to the wireless network.

1 11. A system for policy based management of messages over wireless
2 networks, the system comprising:
3 a data network, the data network including a source of messages;
4 a wireless network, the wireless network including a destination of messages;
5 a message policy manager coupled to the wireless network and coupled to the
6 data network such that the policy manager is configured between the source of messages on the
7 data network and the destination for the messages on the wireless network, the policy manager
8 being capable of taking one of the messages and making a decision on (how and when) a
9 processing operation for delivery of the one message to the wireless network.

1 12. The system of claim 11 wherein the messages are defined as data provided
2 from the source to the destination.

1 13. The system of claim 11 wherein the message policy manager is distributed
2 on one or more server devices, each of the server devices being coupled to a wide area network
3 of computers.

1 14. The system of claim 11 wherein the wireless network configuration is
2 selected from at least a cellular network or a paging network.

1 15. The system of claim 11 wherein the wireless network is a GSM, CDMA,
2 GPRS, EDGE, TDMA, CDMA2000, WCDMA, IMT2000, Mobitex, CDPD, Datatek, Paknet, or
3 Ardis.

1 16. The system of claim 11 wherein the source is selected from at least SMSC,
2 WAP gateway, or MMSC (Multimedia Messaging Service Center).

1 17. The system of claim 11 wherein the message is selected from an e-mail
2 message, an SMS message, an instant message, a chat message, a voice message, an alert, a
3 video message, a picture, a map, an MP3, or a drawing.

1 18. The system of claim 11 wherein the decision is based upon at least a
2 parameter selected from source information, destination information, data in the message,
3 preferences of the user at the destination, status of one or more portions of the wireless network,
4 accessibility of the user, roaming user, or carrier traffic shaping.

1 19. The system of claim 11 wherein the message policy manager comprises:
2 a parsing module coupled to the data network, the parsing module being
3 configured to identify information in the message;
4 a policy engine coupled to the parsing module, the policy engine determines a
5 processing decision for the message based upon the identified information from the parsing
6 module;
7 a storage module coupled to the parsing module, the storage module being
8 configured to store the message as the processing decision is performed; and
9 an enforcement module coupled to the policy engine and the storage module for
10 performing the processing decision and providing an operation for delivery of the message to
11 through the wireless network.

1 20. The system of claim 19 further comprising a decision support module
2 coupled to the policy engine and the wireless network, the decision support module receives
3 network status information and/or user information from the wireless network, the information
4 being provided to the policy engine for determining the processing decision.

1 21. The system of claim 11 wherein the message policy manager comprises:
2 a policy engine, the policy engine determines a processing decision for one or
3 more of the messages; and
4 a storage module coupled to the policy engine, the storage module including an
5 input handler for receiving the messages and an output handler for processing and delivering
6 messages and a message cache coupled between the input handler and the output handler, the

- 7 cache being configured to store one or more of the messages as the processing decision is
- 8 performed.